

REFERENCES

LOCUS:

ASSESSOR MAP 31-012-00005
BOOK 61203, PAGES 279
PLAN BOOK 958, PLAN 55,
PLAN BOOK 948, PLAN 11

LELAND STREET IS NO LONGER A STREET
IT WAS DISCONTINUED BY CITY VOTE
PLAN BOOK 885, PLAN 75

LELAND STREET IS A PRIVATE WAY
NOT ON THE OFFICIAL CITY MAP

ZONING ORDINANCE:

SEE ARTICLE IV, SECTION 6.K.a
BLACKSTONE RIVER PARKWAY SIGN OVERLAY DISTRICT (BSOD)
ALL OF THE GOLD STAR PROPERTIES SHOWN ARE IN THIS DISTRICT.

TEST HOLE INFORMATION

DTH 1 DATE: 8-4-21 GROUND EL = 452.8'
0'-22" Ap LOAM 10 YR 3/2
22"-38" Bw SL 10 YR 5/8
38"-70" C1 SL 10 YR 6/2
70"-234" C2 SL 10 YR 5/2

MOTTLES AT 48' - EL = 448.8'
BREAKOUT AT 150' - EL = 440.3'
STANDING WATER 220'; EL = 434.5'

C LAYER SOILS HAVE A MASSIVE TEXTURE (LIKE MODELING CLAY)
C LAYER SOIL CONSISTANCY COULD BE TERMED WET

ZONING DISTRICT BL-1.0
1089B MILLBURY ST.

SIDE YARD	SETBACK REQUIRED	SETBACK PROVIDED
FRONT	10'	28.9'
RIGHT	10'	10.9'
LEFT	ZERO LOT LINE	
REAR	20'	70.2'

1089A MILLBURY ST.

SIDE YARD	SETBACK REQUIRED	SETBACK PROVIDED
FRONT	10'	43.0'
RIGHT	ZERO LOT LINE	
LEFT	10'	11.1'
REAR	20'	59.2'

31-027-00017
A & G REAL ESTATE, LLC.
BK 60858/PG 321
1085 MILLBURY ST

EROSION CONTROL MATS ARE TO COVER
THE FINISH GRADED SECTIONS OF THE SLOPE.
THIS FINISH GRADING IS TO BE A MAXIMUM
OF 2 TO 1 SLOPE.

N/F HAWA JAH
62 ST. LOUIS
STREET

N/F CHARLES FEGREUS
64 ST. LOUIS
STREET

N/F NICOLE YANG
66 ST. LOUIS
STREET

STONE BOUND W/
DRILL HOLE FOUND

1089A & 1089B
REVISED IMPERVIOUS CALCULATIONS
A= DUPLEX W/ DECKS = 1,824 SF
A= ALL AREAS OF PAVEMENT = 2,046 SF (±)
TOTAL IMPERVIOUS = 3,870 SF (±)
A= RIP RAP STONE AREA = 2,200 SF
TOTAL (GOLD STAR) LAND AREA
AREA =30,097 SF
PERCENT IMPERVIOUS = $\frac{3,870 \text{ SF}}{30,097 \text{ SF}} = 12.86 \%$

NOTES:

THE PURPOSE OF THIS PLAN IS TO RECREATE THE ON GROUND CONDITIONS OF THE
SUBJECT PROPERTIES AS THEY EXISTED DURING THE CALENDER YEAR 2018.

THOSE PROPERTIES HAD THE FOLLOWING STREET ADDRESSES:
1089 MILLBURY STREET
1087 MILLBURY STREET
REAR LAND OWNED BY GOLD STAR (FORMER 18 LELAND LOT)

THE REAR LOT AREA OF BOTH 1089 A+B IS TO BE LOAMED & SEEDED AS SOON AS PRACTICAL.

IF APPROVED, THE PROPOSED LAWN CATCH BASIN DRAINAGE SYSTEM WILL
HAVE A 20' WIDE ACCESS, EGRESS, MAINTENANCE, AND UTILITY EASEMENT.

FINISHED GRADED SLOPES HAD FUTERRA ENVIRONET EROSION BLANKETS APPLIED OVER 2 MONTHS
AGO, DIRECTLY SECURED INTO THE SLOPE. THEY ARE CAPABLE OF HAVING A LAYER OF GRASS.
THESE BLANKETS WILL PROMOTE THE GROWTH OF GRASS, AND WILL ALSO ALLOW A ROOT SYSTEM
TO BE ESTABLISHED. THIS ESTABLISHED ROOT SYSTEM WILL ALLOW THE GRASS TO FLOURISH.

CONSERVATION COMMISSION NOTES:

MILLBURY STREET MONITOR FOR RUNOFF AND ICING PLAN

STARTING AT THE NORTHERLY EDGE OF THE 1087A PROPERTY LINE HEADING SOUTH TO THE
EXISTING CATCH BASIN (DCB), UNTIL THE PROPOSED LAWN SRAINAGE SYSTEM IS INSTALLED.

- THE FOLLOWING PLAN IS TO OCCUR;
1. THE SIDEWALK AND THE GUTTER LINE ARE TO BE INSPECTED DAILY.
 2. IF ICE IS FOUND, CALCIUM CHLORIDE BLEND ICE MELT (OR APPROVED ALTER) IS TO BE APPLIED.
 3. AFTER SNOW STORM EVENTS:
 - A. CLEAR THE SIDEWALK OF SNOW.
 - B. DE-ICE WITH CALCIUM CHLORIDE PELLETS AS NECESSARY.

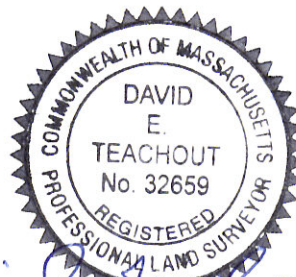
STABILIZATION PLAN FOR 1087 A & B, 1089 A & B MILLBURY ST, AND 18 LELAND ST.

1. AT THE BASE OF THE STEEP SLOPE SECTIONS OF EACH LOT:
 - A. EXCESS STONE IS TO BE REMOVED FROM THE SITE.
 - B. AREAS SHOWN FROM THE APPROXIMATE MIDPOINT OF EACH LOT ARE TO BE COMPACTED, AND FINISH GRADED BACK TOWARD THE NEWLY INSTALLED LAWN DRAINAGE SYSTEM.
 - C. THE FRONT SIDE (MILLBURY STREET) OF LOTS 1087 A & B, PLUS THE UNFINISHED FRONT SECTION OF 1089 A & B ARE TO BE FINISHED GRADED, AND SHAPED WITH A VIBRATING PNEUMATIC ROOLER.
 - D. ADD LOAM AND HYDROSEED AS SOON AS PRACTICAL TO ALL EXPOSED AREAS.

CONSTRUCTION DETAILS (CURRENT AND FUTURE):

1. STRAW WATTLE WITH SILT FENCING IS TO BE INSTALLED ALONG THE FRONT PROPERTY LINE. A DETAIL OF THIS EROSION CONTROL BARRIER IS PROVIDED.
2. THE PROPOSED LAWN DRAINAGE CATCH BASINS ARE SHOWN ON THE PLAN.
3. THE ABOVE GROUND SWALE WHICH IS TO BE LOCATED BETWEEN THE TWO PROPOSED LAWN CATCH BASINS AND THE UNDERGROUND LEACHING PIPE IS SHOWN ON THIS PLAN.
4. THE TRENCH DETAIL FOR THE LEACHING DRAIN PIPE WITH OVERHEAD SWALE IS PROVIDED.
5. THE DRAINAGE PIPE CONNECTION INTO THE EXISTING CATCH BASIN NEAR THE ENTRANCE TO THE FORMER LELAND STREET, NOW A PRIVATE WAY, IS SHOWN.
6. NOTES FOR THE TIE INTO THE EXISTING CATCH BASIN ARE SHOWN AT THAT LOCATION.
7. NOTES FOR THE EROSION CONTROL BLANKETS ARE SHOWN AT THE TOP OF THIS NOTE SECTION.
8. THE EXTENT OF THE EROSION CONTROL BLANKETS ARE SHOWN ON THIS PLAN.
9. PROVIDE ONE 3.5" CALIPER SHADE TREE IN THE FRONT YARD OF BOTH LOTS 2-1 & 2-2. THESE TREES MUST BE ASIAN LONGHORNED BEETLE & EMERALD ASH BORER RESISTANT.
10. APPROPRIATE SOIL EROSION AND SEDIMENTATION CONTROL MEASURES INCLUDING HAY BALES, STRAW WATTLE & SILT FENCES, SHALL BE INSTALLED AND MAINTENDED SUBJECT TO THE OVERSIGHT AND DIRECTION OF THE COMMISSIONER OF INSPECTIONAL SERVICES.

THE CONTENTS OF THE PLAN DEPICTS ON-GROUND
CONDITIONS UNLESS THEY ARE LABELED PROPOSED.



DAVID TEACHOUT P.L. S. # 32659 DATE
ASSISTED BY DAVID SADOWSKI S.I.T.

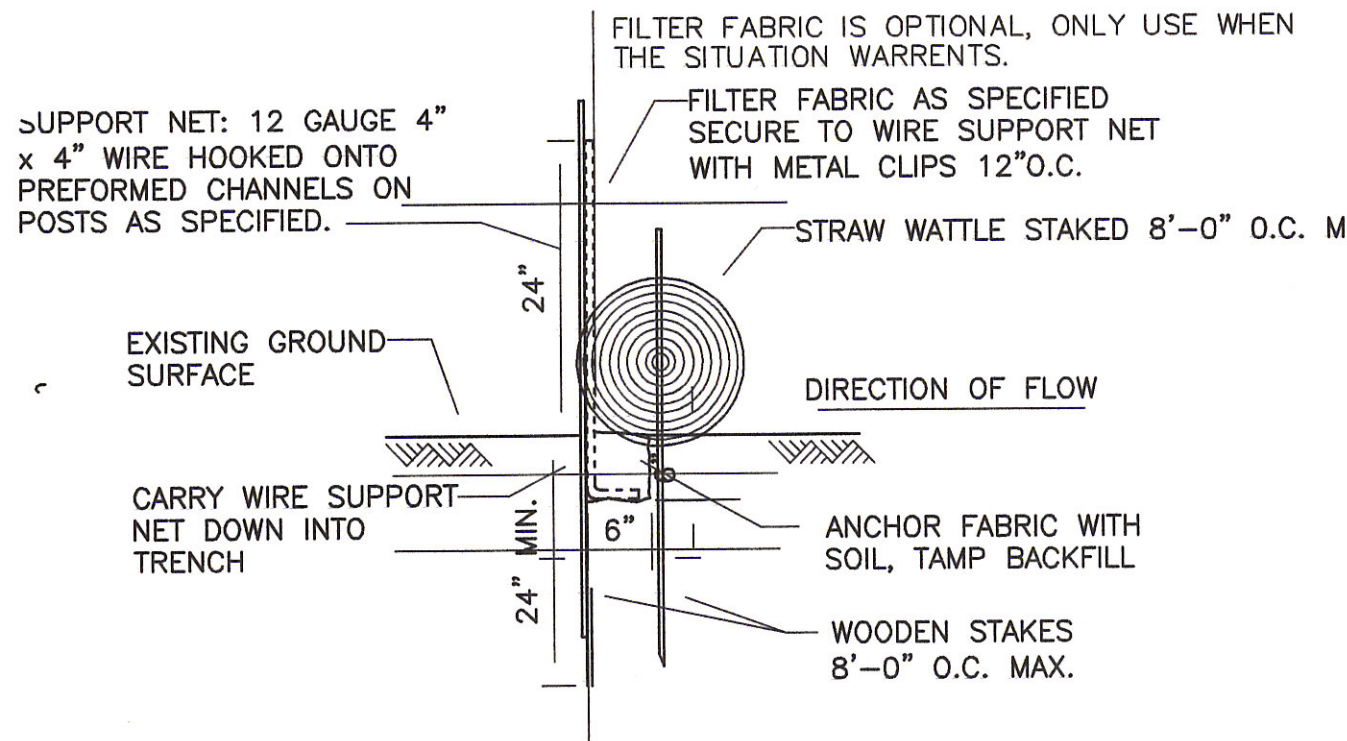
CONSERVATION CATCHBASIN NOTES:

1. HAYBALES ARE TO BE IN SECURED IN PLACE DURING THE PROPOSED 12" PIPE CONNECTION TO THE EXISTING CATCH BASIN.
2. WHEN THE CONNECTION IS COMPLETED, THE CATCH BASIN SUMP MUST BE COMPLETELY CLEANED OUT OF ALL DEBRIS.
3. AFTER PIPE CONNECTION IS MECHANICALLY COMPLETED, AND THE TRENCH IS BACKFILLED WITH COMPACTED GRAVEL LIFTS, THE CONCRETE SIDEWALK SECTION MUST BE REPLACED.
4. ALL PROPOSED WORK MUST BE COMPLETED TO THE CURRENT CITY OF WORCESTER STANDARDS AND SPECIFICATIONS.

LEGEND:

BK = BOOK
PG = PAGE
BND = BOUND
PAR = PARCEL
FND = FOUND
DH = DRILL HOLE
IR = IRON REBAR
SB = STONE BOUND
GB = GRANITE BOUND
MAP = ASSESSORS MAP
N/F = NOW OR FORMERLY
NTS = NOT TO SCALE
DIA = DIAMETER
FG = FINISH GRADE
PERF = PERFORATED
DTH = DEEP TEST HOLE
DCB = DRAIN CATCH BASIN
INV = INVERT
R = RIM
PROP. = PROPOSED
EASE.= EASEMENT

STRAW WATTLE WITH SILT FENCING
INSTALLATION DETAIL



FUTERRA ENVIRONET EROSION BLANKETS
PRODUCT OF GREEN DESIGN ENGINEERING

FEATURES
RAPID PHOTODEGRADATION ENHANCES WILDLIFE AND SITE SAFETY.
FASTEST GERMINATION- PROVEN TO PERMINATE SEED MORE QUICKLY.
SUPERIOR EROSION CONTROL- HIGHER SHEER STRESS & WORKS ON BOTH CHALLENGING TOPOGRAPHY & WINDY CONDITIONS.
LONGEVITY - 2 TO 3 YEARS
ROLL - 82 INCHES WIDE
LENGTH - 135 FOOT LENGHT/ PER ROLL
AREA COVERED 102.5 SQUARE YARDS
THE LOCAL DISTRIBUTER IS VALLEY GREEN LANDSCAPE SUPPLIES
PHONE 508-987-0101

CONTINUOUS NOTES:

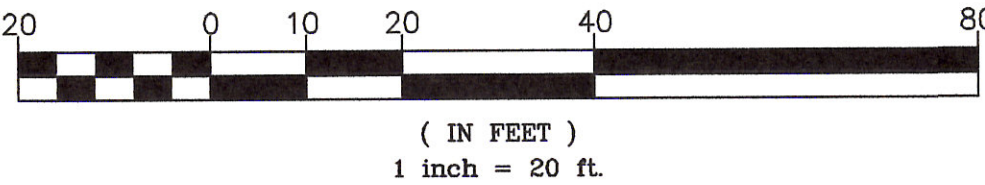
ALL WORK SHALL CONFORM TO THE CITY OF WORCESTER'S ZONING ORDINANCE, PLANNING BOARD DECISION AND CONDITIONS OF APPROVAL, AND TO THE STANDARDS CONTAINED IN THE CITY OF WORCESTER DEPARTMENT OF PUBLIC WORKS & PARKS, ENGINEERING DIVISION, CONSTRUCTION MANAGEMENT SECTION, STANDARD SPECIFICATIONS & DETAILS, MOST RECENT.

ALL TREE AND STUMP REMOVAL SHALL BE IN ACCORDANCE WITH THE ASIAN LONGHORNED BEETLE PROGRAM REQUIREMENTS AND ALL NEW TREES AND SHRUBS PLANTINGS SHALL BE ASIAN LONGHORNED BEETLE & EMERALD ASH BORER RESISTANT.



MICHAEL BURKE P.E. # 23374 DATE
ASSISTED BY DAVID SADOWSKI C.E.

GRAPHIC SCALE

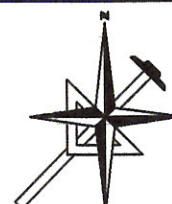


CONSTRUCTION DETAIL PLAN - SHEET 1

PROPOSED LAWN DRAINAGE PLAN
1087 A & B, 1089 A & B, 18 LELAND STREET
WORCESTER, MASSACHUSETTS

PREPARED FOR: GOLD STAR CONSTRUCTION
6 JACQUES STREET
WORCESTER, MA.

OWNER: GOLD STAR CONSTRUCTION
6 JACQUES STREET
WORCESTER, MA.



D. J. & ASSOCIATES
7 CEDAR STREET
CLINTON, MA 01510
978-875-0741

REV 8: STAFF REVIEW DATED	DATED 1-20-22
REV 7: ADD CONSTRUCTION NOTES & DETAILS	DATED 1-06-22
REV 6: ADD CONSERVATION NOTES & DETAILS	DATED 1-01-22
REV 5: LOCATE & ADD EROSION MATS	DATED: 10/26/21
REV 4: EXISTING RESHAPED CONDITION	DATED: 10/17/21
REV 3: EROSION MATS CHANGED	DATED: 09/19/21
DATE: FEBRUARY 19, 2021	SCALE: 1" = 20'